



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5473-1**Job Sheet 193111****Part No:** D5473-1**Job Qty:** 3 pcs**Part Name:** Fuel Gauge**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 4/8/19**Job Tracking No:****Due Date:** 4/26/19**Created By:** Chantal Lavoie**Type:** Stock**Description:****Note:** D5473 REV.A IPP REV:A 17.10.19 NEW ISSUE DD VERF:DP**Ship Via:****Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	3 pcs	4/26/19	4/26/19	0.00	0.00	Purchasing - 1		MAY 24 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	3 pcs	4/26/19	4/26/19	0.00	0.00	Packaging 2 - 1 - B4B		MAY 24 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S183719**Part:** D5473-1**Job No:** 193111**Serial No/Batch:** S183719**Revision:** A**Inspector:****Exp Date:****Instructions:** Various STC's

Date: 05/24/19

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				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	3 pcs	4/26/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
130	Packaging 3-1 - Stock - B4B	3 pcs	4/26/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B

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MAY 29 2019 68
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				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	3 pcs	4/26/19	0.00 0.00	QC 21 - SA - 21	21
				QC 21 - SA - 70	0-05
				QC 21 - SA - 53	

Part Op **100** - Issue P/O: _____ Purchase Part Number: TR-1FL-D1 Supplier: ELECTRONICS INTERNATIONAL INC. MAY 30 2019

Descriptions: Certificate of conformity is required

110 - Receive & Inspect for Damage & Mat'l Certs

120 - QC6- All purchased or subcontracted products

130 - Identify as per dwg & Stock Location: _____

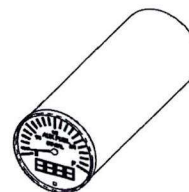
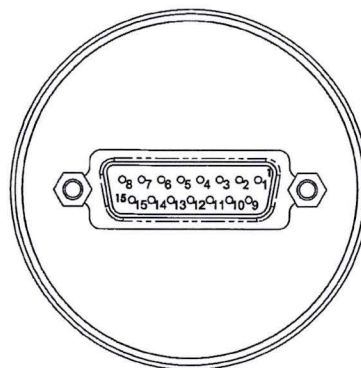
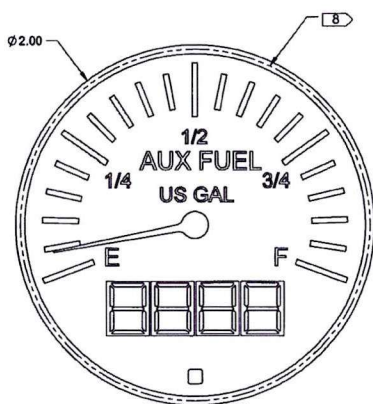
140 - QC21- Final Inspection - Work Order Release

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
TR-1FL-D1	Fuel Gauge	3 Ea (1 ea)	100-Purchasing	5183718

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	TR-1FL-D1	3	0	0

Part Specifications	
Specifications could not be found.	

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- PIN CALLOUT:
- 1 - POWER IN (14 OR 28 VDC)
 - 2 - RS-232 TX OUT TO DB9 PIN 2
 - 3 - RS-232 RX IN TO DB9 PIN 3
 - 4 - CONSTANT POWER, OPTIONAL (9 TO 28 VDC)
 - 5 - YELLOW CAUTION OUT
 - 6 - EXTERNAL SWITCH INPUT
 - 7 - P-300C (BLACK) TO P-300C/4 MODULE (GROUND)
 - 8 - NOT USED
 - 9 - GROUND
 - 10 - GROUND TO DB9 PIN 5
 - 11 - GROUND
 - 12 - RED WARNING OUT
 - 13 - BACKLIGHT CONTROL (0 TO 40 VDC)
 - 14 - P-300C (RED) TO P-300C/4 MODULE (5 VDC)
 - 15 - P-300C (WHITE) TO P-300C/4 MODULE (SIGNAL)

D5473-X FUEL GAUGE

DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	OPERATING VOLTAGE	TECHNICAL STANDARD ORDER	ENVIRONMENTAL QUALIFICATION
D5473-1	ELECTRONICS INTERNATIONAL INC.	TR-1FL-D1	-40°C TO +70°C -40°F TO 158°F	6 TO 55 VOLTS, 0.075 AMPS	28 VDC	TSO-C55A	DO-160G

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART OSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.30lbs
- 8) WHITE GRAPHICS ON BLACK BACKGROUND

RELEASED
2017-10-06

DESIGN	WK	DART AEROSPACE LTD	
DRAWN	WK	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	RQ	D5473	SHEET 3 OF 5
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FUEL GAUGE & SENDER	NTS
DATE	17.07.04	COPYRIGHT © 2017 BY DART AEROSPACE LTD	



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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043141



Supplier: ELI001-VU
Electronics International Inc.
63296 Powell Butte Hwy
Bend, OR 97701 USA
Phone: 541-318-6060
Fax: 541-318-7575

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO043141

PO Date: 4/9/19

Due Date: 5/3/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 15

Freight Terms:

Special Comments: Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A018 ELECTRICAL EQUIPMENT
A025 CERTIFICATION OF CONFORMANCE
A040 NOTIFICATION OF QUALITY ESCAPE
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY
DOCUMENTS

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	193111	TR-1FL-D1			Fuel Gauge As per Dwg D5473 Rev. A	Firmed	-	5/15/19	3 Ea	0 Ea	3 Ea	\$795.00/Ea	\$2,385.00
						3 X		MAY 24 2019					68
2	193112	P-300C-D3			Fuel Sender AS PER DWG D5473 REV. A	Firmed	-	5/15/19	5 Ea	0 Ea	5 Ea	\$664.00/Ea	\$3,320.00
						5 X		MAY 24 2019					
3		P-300C/4			Divide Module AS PER DWG D5473 REV. A	Firmed	-	4/22/19	1 Ea	0 Ea	1 Ea	\$14.96/Ea	\$14.96
						X1		APR 18 2019					
				193113									
				193439		Firmed	-	5/15/19	4 Ea	0 Ea	4 Ea	\$14.96/Ea	\$59.84
Sub Total:									5	0	5		\$74.80
Grand Total: \$5,779.80													

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Canada

Tel (613) 632-5200

PURCHASE ORDER PO043141



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

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From: Electronics International Inc.
63296 Powell Butte Highway
Bend, OR 97701
Phone: (541) 318-6060 Fax: (541) 318-7575
www.Buy-EI.com
Support@Buy-EI.com

Invoice #: 153442
Date: 04/10/2019
Time: 11:43
Sales Person: DP
Dealer: Y 2646
Drop Ship: N
Type: S B 05/01/2019

Ship to: Dart Aerospace Ltd.
1270 Aberdeen St.

Bill to:

Hawkesbury

ON K6A 1K7

P/O: 043141-B

Terms: Net 15

Card #:

Ship Via: FedEx Int'l Priority

Phone: 613-632-9577

QTY	B/O	Shipped	Description	Price	Total
3		3 ✓	TR-1FL-D1 Pkg → missing Manuel ✓ OK	\$795.00	\$2385.00
5		5 ✓	P-300C-D1 Pkg → missing CofC ✓	\$664.00	\$3320.00
4		4	P-300C/4 → Missing parts ✓ OK	\$14.96	\$59.84
1		1	C of C	N/C	
			Packaging and Handling Fee (Acct: 151793240)	\$15.00	\$15.00
RECEIVED MAY 23 2019 DART AEROSPACE LTD.					

Total: \$5779.84

Any EI product installed on a certified aircraft must be installed in accordance with an applicable EI STC. All accessories must only be connected to an EI product. Sorry, no refunds on some custom items (special marked instruments, custom cables, etc.)

Shipper: KK

Shipped via: FedEx Int'l Priority

Date Shipped: 05/07/2019

AP#:

Trk #:

488963564551

RO4

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Electronics
International Inc.

Buy-Ei.com



(541) 318-6060

1018181, 10/18/18

From: Electronics International Inc.
63296 Powell Butte Highway
Bend, OR 97701
Phone: (541) 318-6060 Fax: (541) 318-7575
www.Buy-EI.com
Support@Buy-EI.com

Invoice #: 153861
Date: 05/09/2019
Time: 12:39
Sales Person: DP
Dealer: Y 2646
Drop Ship: N
Type: S B 05/09/2019

Ship to: Dart Aerospace Ltd.
1270 Aberdeen St.

Bill to:

Hawkesbury

ON K6A 1K7

P/O:

Terms: Net 15

Card #:

Ship Via: FedEx Ground

Phone: 613-632-9577

QTY	B/O	Shipped	Description	Price	Total
3		3 ✓	TR-1 Manual Only ✓	N/C	
4		4 ✓	P-300C/4 ✓	N/C	
1		1 ✓	C of C for INV 153442 <i>Rec'd but info incorrect.</i>	N/C	
					Total:

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Shipper: KK

Shipped via: FedEx Ground

Date Shipped: 05/13/2019

AP#:

Trk #:

488963565010

RO4

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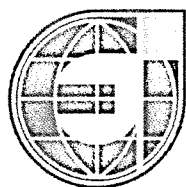
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Phone: (541) 318-6060
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DAS
68
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Date of Conformance: 5/23/2019

Conformed By:

Kameron Kandle

Electronics
International Inc.

63296 Powell Butte Highway

Bend, OR 97701 USA

Phone: (541) 318-6060

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I certify that the item(s) listed above meet or exceed the requirements of Electronics International's drawings and specifications. The TSO marked item(s) are in accordance with applicable Technical Standard Orders inclusive markings, have been tested appropriately and are in condition for installation.

Conformed By: _____

Kameron Kandle

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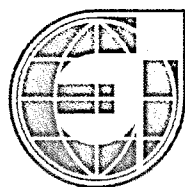
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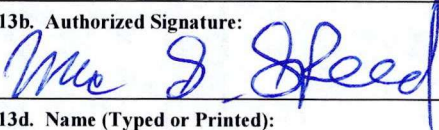


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*Electronics
International Inc.*

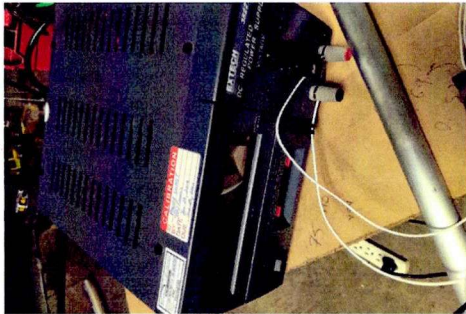


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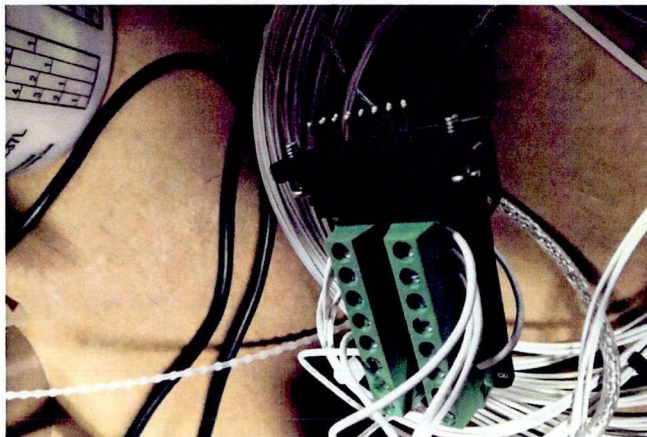
1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: T153442	
4. Organization Name and Address: Electronics International Inc. 63296 Powell Butte Highway, Bend, OR 97701 (PT0088NM)					5. Work Order/Contract/Invoice Number: 153442	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	2" Fuel Level Unit	TR-1-FL-D1	3	216255 thru 216257	NEW	
12. Remarks: TSO Authorization: TSO-C43c, C44c, C45b, C47a, C49b and C55a Master Drawing & Revision: MDL 1128165, Rev. New Installation Instructions & Revision: II 0503165, Rev. New Instructions for Continued Airworthiness: Included in II 0503165, Rev. New						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: 173084695		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Mac S. Speed		13e. Date (dd/mm/yyyy): 07/May/2019		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

Step 2: Turn Off Power supply and connect leads to Power supply

Note: The lead with the BLACK tie-rap is the negative lead, this should be connected to the black junction of the power supply.



Step 3: Connect the gauge leads to the gauge.



Step 4: Turn power supply ON.

NOTE: If you notice ERROR 1 on screen of the gauge, gauge is not acceptable.

S/N 5183719 Qty 3

1. 216255 Acceptable
2. 216256 Acceptable
3. 216257 Acceptable

SMD 19/05/24

Inspection upon receiving

Equipment:

1. Calibrated Power Supply: S/N Power Supply and calibration Date: due Jan 29, 2020



2. Test gauge Leads



Procedure:

Step 1: Adjust power Supply to indicate + 28 Volts and 0.01 Amp

Note: Do NOT Connect Gauge to power supply when adjusting voltage.